

**ABSTRACT OF THE DISCLOSURE**

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The invention relates to a method and an apparatus for gasifying organic substances and substance mixtures in which the organic substances are fed into a pyrolysis reactor and the organic substances are held in contact with a heat carrier medium. The solid residual containing carbon and the heat carrier medium are fed to a firing in which the residual containing carbon is burnt and the heat carrier medium is heated and fed to the pyrolysis reactor again. The pyrolysis gases containing tar are reheated in a second reaction zone such that a product gas having a high caloric value is obtained.

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